CLAIMS

1.   In a network system based on a UPnP (universal plug and play) performing a roaming function by including at least two CPs (control point), wherein a synchronization method of a UPnP-based home network implements a UPnP device controllable by using one of the CPs.

2.   The method of claim 1, wherein the CP performs a CP function and a UPnP device function simultaneously by generating an imaginary UPnP device.

3.   The method of claim 1, wherein a UPnP device is generated by role-switching the CP.

4.   The method of claim 3, wherein information about the CP before role-switching is transmitted through an advertisement message of the UPnP device.

5.   The method of claim 4, wherein the advertisement message includes roaming state information of the UPnP device.

6.   The method of claim 1, wherein the CP is constructed to be role-switched into a UPnP device by corresponding to a key input of a user according to roaming.

7.   The method of claim 6, wherein the key input includes Korean, English, figures and special characters input function and a voice recognition function.

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8.   The method of claim 1, wherein the CP classifies whether a message is an advertisement message of a UPnP device or a roaming message according to role-switch of a CP by checking a roaming state in Device Description, information of a media server and a media renderer

10   and a presently user selecting item.

9,   The method of claim 1, wherein the CP transmits a roaming message periodically for a certain time less than time recommended by a standard and is constructed to be role-switched again

15   into a CP.

10.   The method of claim 1, wherein the synchronization method further includes:

turning-on power of a CP to be used by a user after roaming;

20   storing information of a media server and a media renderer by checking a present roaming state through the CP; and

judging correspondence of protocols and data formats of the media renderer before/after role-switch and finishing the operation.

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11.   The method of claim 10, wherein the operation is finished

when the protocols and the data formats are corresponded, when the

protocols and the data formats are not corresponded, the operation is

finished after matching-corresponding the media server and the media

5   renderer.

12.   In a UPnP (universal plug and play)-based home network

system including a CP (control point), a media server and a media

renderer, wherein the CP performs a UPnP standard roaming function by

10   being role-switched into a UPnP device.

13.   The method of claim 12, wherein the CP is role-switched

into a UPnP device by corresponding to a key input according to user's

roaming.

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14.   The method of claim 12, wherein the CP transmits CP

information before role-switch by using an advertisement message of a

SSDP (simple service discovery protocol) of a UPnP device.

20   15.   The method of claim 12, wherein the CP is constructed to

provide a roaming state in a Device Description; provide information of the

media server and the media renderer; provide an item presently selected

by the user; and classify whether a message is an advertisement message

of a UPnP device or a roaming message according to role-switch of the CP.

16.   The method of claim 15, wherein the CP transmits a roaming message periodically for a certain time less than time recommended by a standard and is constructed to be role-switched again

5   into a CP.

17.   In a UPnP (universal plug and play)-based home network system including a CP (control point), a media server and a media renderer, the CP simultaneously performs a CP function and a UPnP

10   device function by generating an imaginary UPnP device.

18.   The method of claim 17, wherein the CP is constructed to be role-switched into the UPnP device by corresponding to a key input according to a user's roaming.

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19.   The method of claim 17, wherein the CP transmits CP information before role-switch by using an advertisement message of a SSDP (simple service discovery protocol) of the UPnP device.

20   20.   The method of claim 17, wherein the CP classifies whether a message is an advertisement message of a UPnP device or a roaming message according to role-switch of a CP by transmitting information such as a roaming state in Device Description, information of a media server and a media renderer and a presently user selecting item periodically for a

certain time less than time recommended by a standard.